



Practitioner's Docket No. 2000DE441D

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Krull, et al.

Application No.: 10/606,095

Group No.:

Filed: 06/25/2003

For: Fuel Oils Having Improved Lubricity Comprising Mixtures of Fatty Acids with Paraffin Dispersants, and a Lubrication-Improving Additive

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**INFORMATION DISCLOSURE STATEMENT**

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Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith).

1. ☒ Enclosures accompanying this Information Disclosure Statement are:
  - 1a. ☒ Form PTO-1449.
  - 1b. ☒ Copies of Information Disclosure Statement citations.
  - 1c. ☒ PCT Search Report for application no. PCT/EP 01 12 6254 dated on 06/19/03.
  - 1d. ☐ Copies of Copending U.S. Applications.
2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) with the filing of the U.S. patent application. Accordingly, no fee or §1.97(e) Statement is required.
3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance. The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 03-2060.
5. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(e) in that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Accordingly, no fee is required.
6. ☐ This Information Disclosure Statement is filed in conjunction with a Request For Continued Examination. Accordingly, no fee or §1.97(e) Statement is required.

7. ☒ The English language documents identified by reference in the TRANSLATION Section of the foreign patents list of the attached 1449 Form are believed to be a concise statement, or the equivalent or substantial equivalent to the foreign language documents cited in the attached 1449 Form.

Respectfully submitted,



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<b>FORM PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (37 CFR 1.98(b))	<b>ATTY. DOCKET NO.</b> 2000DE441D	<b>SERIAL NO.</b> 10/606095
	<b>APPLICANT:</b> Mathias KRULL et al.	
	<b>FILING DATE:</b> 06/25/03	<b>GROUP:</b>

## U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,985,048	1/15/91	Wirtz, et al.	44	394	
	AB	5,186,720	2/16/93	Feustel, et al.	44	351	
	AC	5,376,155	12/27/94	Dralle-Voss, et al.	44	408	
	AD	5,391,632	2/21/95	Krull, et al.	525	327.6	
	AE	5,755,834	05/26/98	Chandler	44	386	
	AF	5,789,510	08/04/98	Krull, et al.	526	281	
	AG	5,833,722	11/10/98	Davies, et al.	44	418	
	AH	6,010,545	01/04/00	Davies, et al.	44	389	
	AI	6,071,993	6/6/00	Wenderoth, et al.	524	217	
	AJ	6,086,645	07/11/00	Quigley et al.	44	418	
	AK	6,129,772	10/10/00	Weers, et al.	44	385	
	AL	2002/0002793	01/10/02	Krull et al.	44	388	

## FOREIGN PATENT OR PUBLISHED FOREIGN APPLICATION

		DOCUMENT NUMBER	PUB. DATE	COUNTRY		TRANSLATION
	BA	0 153 176	8/28/85	Europe		English
	BB	0 155 171	09/18/85	Europe		English
	BC	0 320 766	6/21/89	Europe		See AA above
	BD	0 413 279	2/20/91	Europe		See AB above
	BE	0 597 278	5/18/94	Europe		See AC above
	BF	0 606 055	7/13/94	Europe		See AD above
	BG	95/33805	12/14/95	WIPO		English
	BH	96/18706	6/20/96	WIPO		English
	BI	96/23855	8/8/96	WIPO		English
	BJ	0 780 460	06/25/97	Europe		English
	BK	0 798 364	10/1/97	Europe		English
	BL	98/04656	02/05/98	WIPO		Abstract
	BM	0 829 527	03/18/98	Europe		English
	BN	0 909 307	4/21/99	Europe		See AI above
	BO	99/36489	07/22/99	WIPO		English
	BP	00/15739	03/23/00	WIPO		English
	BQ	01/38461	05/31/01	WIPO		English
	BR	1 116 780	07/18/01	Europe		See AL above

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication\*\*)

CA		U.S. Application No. 09/993,847, filed 11/16/01
CB		German office action for application 10058359, 1/11/01
CC		English abstract for JP 11-001692, 1/6/1999
CD		J. March, Advanced Organic Chemistry, 2. Auflage, S. 347-360, (1977)
CE		N.A. Plate, et al., "Comb-Like Polymers-Structure and Properties", J. Polymer Science: Macromolecular Reviews, vol. 8, 117-253 (1974)
CF		H.A. Spikes, "The Lubricity of Diesel Fuels", Wear, 111 (1986) p. 217-235
EXAMINER		DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

